

Amendments to the Claims:

Claims 1, 22, 39, 59, 61, 63, 66-67, 70, 71, 73, 75, 78-79, 82, 83, 85, 87, 90-91, and 94 have been amended. Claims 69, 81, and 93 have been canceled without prejudice. New claims 95-97 have been added. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A computer-implemented method of facilitating
2 shopping for a project, the method comprising:
3 receiving information identifying a first project; ~~and~~
4 storing first information comprising information identifying a plurality of generic
5 items, information identifying one or more attributes of the plurality of generic items,
6 information identifying one or more substitute generic items for one or more generic items in the
7 plurality of generic items, and information identifying hierarchical relationships between one or
8 more generic items in the plurality of generic items; and
9 determining a plurality of purchasable units for the first project using the first
10 information, each purchasable unit in the plurality of purchasable units having a brand name, an
11 amount, and a price associated with the purchasable unit.

1 2. - 9. (Canceled)

1 10. (Previously Presented) The method of claim 1 further comprising
2 outputting information related to the plurality of purchasable units.

1 11. (Previously Presented) The method of claim 10 wherein outputting the
2 information related to the plurality of purchasable units comprises:
3 displaying, for each purchasable unit in the plurality of purchasable units, the
4 brand name associated with the purchase unit, the amount of the purchase unit, and the price
5 associated with the purchase unit.

1 12. (Previously Presented) The method of claim 1 further comprising
2 determining a set of purchasable units from the plurality of purchase units based upon user
3 preferences.

1 13. (Previously Presented) The method of claim 1 wherein the first project is
2 a food recipe.

1 14. - 21. (Canceled)

1 22. (Currently Amended) A system for facilitating shopping for a project, the
2 system comprising:

3 a first computer system; and

4 a second computer system coupled to the first computer system;

5 wherein the second computer system is configured to:

6 receive information identifying a first project from the first computer
7 system;

8 storing first information comprising information identifying a plurality of
9 generic items, information identifying one or more attributes of the plurality of generic items,
10 information identifying one or more substitute generic items for one or more generic items in the
11 plurality of generic items, and information identifying hierarchical relationships between one or
12 more generic items in the plurality of generic items;

13 determine a plurality of purchasable units for the first project using the
14 first information, each purchasable unit in the plurality of purchasable units having a brand
15 name, an amount, and a price associated with the purchasable unit; and

16 communicate information identifying the plurality of purchasable units to
17 the first computer system.

1 23. - 29. (Canceled)

1 30. (Previously Presented) The system of claim 22 wherein the first computer
2 system is configured to output the information identifying the plurality of purchasable units
3 received from the second computer system.

1 31. - 38. (Canceled)

1 39. (Currently Amended) A computer program product stored on a computer-
2 readable storage medium for facilitating shopping for a project, the computer program product
3 comprising:

4 code for receiving information identifying a first project; ~~and~~
5 code for receiving first information comprising information identifying a plurality
6 of generic items, information identifying one or more attributes of the plurality of generic items,
7 information identifying one or more substitute generic items for one or more generic items in the
8 plurality of generic items, and information identifying hierarchical relationships between one or
9 more generic items in the plurality of generic items; and

10 code for determining a plurality of purchasable units for the first project using the
11 first information, each purchasable unit in the plurality of purchasable units having a brand
12 name, an amount, and a price associated with the purchasable unit.

1 40. - 47. (Canceled)

1 48. (Previously Presented) The computer program product of claim 39 further
2 comprising code for outputting the information related to the plurality of purchasable units.

1 49. (Previously Presented) The computer program product of claim 48
2 wherein the code for outputting the information related to the plurality of purchasable units
3 comprises:

4 code for displaying, for each purchasable unit in the plurality of purchasable units,
5 the brand name associated with the purchase unit, the amount of the purchase unit, and the price
6 associated with the purchase unit.

1 50. (Previously Presented) The computer program product of claim 39 further
2 comprising code for determining a set of purchasable units from the plurality of purchase units
3 based upon user preferences.

1 51. - 58. (Canceled)

1 59. (Currently Amended) The method of claim 1 ~~further comprising~~ wherein:
2 the first information comprises storing projects-to-items information identifying a
3 plurality of project identifiers and one or more item identifiers associated with each project
4 identifier in the plurality of project identifiers; ~~and~~
5 the first information comprises storing items-to-purchasable units information
6 identifying a plurality of item identifiers and one or more purchasable units associated with each
7 item identifier in the plurality of item identifiers;
8 ~~wherein~~ the information identifying the first project comprises a first project
9 identifier corresponding to the first project; and
10 ~~wherein~~ determining the plurality of purchasable units for the first project
11 comprises:
12 determining a set of item identifiers for the first project identifier based
13 upon the projects-to-items information; and
14 determining a set of purchasable units for each item identifier in the set of
15 item identifiers based upon the items-to-purchasable units information.

1 60. (Previously Presented) The method of claim 1 further comprising:
2 providing a web page identifying the first project, the web page comprising a
3 mechanism for selecting the project; and
4 wherein receiving the information identifying the first project comprises receiving
5 information indicating selection of the first project.

1 61. (Currently Amended) The method of claim 1 ~~further comprising~~ wherein:

2 the first information comprises storing items-to-purchasable units information
3 identifying a ~~plurality of generic items~~ and one or more purchasable units associated with each
4 generic item in the plurality of generic items; and
5 ~~wherein~~ determining the plurality of purchasable units for the first project
6 comprises:
7 ~~processing the information identifying the first project to extract~~
8 determining a set of ingredients for the first project from the information identifying the first
9 project;
10 determining a set of generic items corresponding to the set of ingredients;
11 and
12 determining a set of purchasable units for each generic item in the set of
13 generic items based upon the items-to-purchasable units information.

1 62. (Previously Presented) The method of claim 1 wherein:
2 the information identifying the first project comprises scaling information for the
3 first project; and
4 determining the plurality of purchasable units for the first project comprises:
5 determining, from the information identifying the first project, a set of
6 ingredients for the first project and quantities associated with the set of ingredients; and
7 scaling the quantities associated with the set of ingredients using the
8 scaling information; and
9 determining the plurality of purchasable units for the first project based
10 upon the scaled quantities associated with the set of ingredients.

1 63. (Currently Amended) The method of claim 62 wherein the plurality of
2 ~~purchase~~ purchasable units for the first project includes a set of ~~purchase~~ purchasable units
3 determined for a first ingredient in the set of ingredients, the set of ~~purchase~~ purchasable units
4 for the first ingredient determined based upon the scaled quantity associated with the first
5 ingredient, and available ~~purchase~~ purchasable units and their associated amounts.

1 64. (Previously Presented) The method of claim 62 further comprising:
2 storing scaling rules information indicating one or more constraints on scaling of
3 ingredients for a project; and
4 wherein scaling the quantities associated with the set of ingredients comprises
5 performing the scaling using the scaling rules information.

1 65. (Previously Presented) The method of claim 62 further comprising:
2 storing scaling rules information indicating one or more constraints on scaling of
3 a project; and
4 wherein scaling the quantities associated with the set of ingredients comprises
5 performing the scaling using the scaling rules information.

1 66. (Currently Amended) The method of claim 1 wherein determining the
2 plurality of purchasable units for the first project comprises determining a set of generic items
3 for the first project using the first information.

1 67. (Currently Amended) The method of claim 66 wherein:
2 the set of generic items comprises a first generic item; and
3 determining the plurality of purchasable units for the first project comprises:
4 determining a plurality of purchasable units corresponding to the first
5 generic item, the plurality of purchasable units corresponding to the first generic item provided
6 by a plurality of vendors;
7 determining a set subset of ~~one or more~~ vendors from the plurality of
8 vendors, wherein the plurality of vendors includes at least one vendor that is not included in the
9 ~~set subset~~ subset of ~~one or more~~ vendors; and
10 ~~including in the plurality of purchasable units for the first project, for the~~
11 ~~first generic item, only those one or more purchasable units provided by the set of vendors.~~
12 selecting, for the first generic item, only purchasable units provided by the
13 subset of vendors for inclusion in the plurality of purchasable units for the first project.

1 68. (Previously Presented) The method of claim 66 wherein:
2 the set of generic items comprises a first generic item; and
3 determining the plurality of purchasable units for the first project comprises:
4 determining a set of one or more vendors to which the first generic item is
5 assigned; and
6 determining a set of purchasable units corresponding to the first generic
7 item, the set of purchasable units consisting of one or more purchasable units provided by the set
8 of one or more vendors.

1 69. (Canceled)

1 70. (Currently Amended) The method of claim 1 wherein determining the
2 plurality of purchasable units for the first project comprises:
3 processing the information identifying the first project to extract a set of
4 ingredients for the first project and amounts associated with the set of ingredients, the set of
5 ingredients comprising a first ingredient having an associated first amount; and
6 determining a set of purchasable units for the set of ingredients using the first
7 information, the set of purchasable units comprising a first purchasable unit corresponding to the
8 first ingredient, the first purchasable unit having an amount greater than the first amount.

1 71. (Currently Amended) The system of claim 22 wherein:
2 the first information comprises projects-to-items information identifying a
3 plurality of project identifiers and one or more item identifiers associated with each project
4 identifier in the plurality of project identifiers;
5 the first information comprises items-to-purchasable units information identifying
6 a plurality of item identifiers and one or more purchasable units associated with each item
7 identifier in the plurality of item identifiers;
8 the information identifying the first project received by the second computer
9 system comprises a first project identifier corresponding to the first project; and

10 the second computer is configured to:
11 ~~store projects-to-items information identifying a plurality of project~~
12 ~~identifiers and one or more item identifiers associated with each project identifier in the plurality~~
13 ~~of project identifiers;~~
14 ~~store items-to-purchasable units information identifying a plurality of item~~
15 ~~identifiers and one or more purchasable units associated with each item identifier in the plurality~~
16 ~~of item identifiers;~~
17 determine a set of item identifiers for the first project identifier based upon
18 the projects-to-items information; and
19 determine a set of purchasable units for each item identifier in the set of
20 item identifiers based upon the items-to-purchasable units information.

1 72. (Previously Presented) The system of claim 22 wherein the first computer
2 system is configured to:
3 provide a web page identifying the first project, the web page comprising a
4 mechanism for selecting the project;
5 receiving information indicating selection of the first project; and
6 communicate the information identifying the first project to the second computer
7 system.

1 73. (Currently Amended) The system of claim 22 wherein ~~the second~~
2 ~~computer system is configured to:~~
3 the first information comprises ~~store~~ items-to-purchasable units information
4 identifying a ~~plurality of generic items and~~ one or more purchasable units associated with each
5 generic item in the plurality of generic items; and
6 the second computer system is configured to:
7 ~~process the information identifying the first project to extract~~ determine a set of
8 ingredients for the first project from the information identifying the first project;
9 determine a set of generic items corresponding to the set of ingredients; and

10 determine a set of purchasable units for each generic item in the set of generic
11 items based upon the items-to-purchasable units information.

1 74. (Previously Presented) The system of claim 22 wherein:
2 the information identifying the first project received by the second computer
3 system comprises scaling information for the first project; and
4 the second computer system is configured to:
5 determine, from the information identifying the first project, a set of
6 ingredients for the first project and quantities associated with the set of ingredients; and
7 scale the quantities associated with the set of ingredients using the scaling
8 information; and
9 determine the plurality of purchasable units for the first project based upon
10 the scaled quantities associated with the set of ingredients.

1 75. (Currently Amended) The system of claim 74 wherein the plurality of
2 ~~purchase~~ purchasable units for the first project includes a set of ~~purchase~~ purchasable units
3 determined for a first ingredient in the set of ingredients, the set of ~~purchase~~ purchasable units
4 for the first ingredient determined based upon the scaled quantity associated with the first
5 ingredient, and available ~~purchase~~ purchasable units and their associated amounts.

1 76. (Previously Presented) The system of claim 74 wherein the second
2 computer system is configured to:
3 store scaling rules information indicating one or more constraints on scaling of
4 ingredients for a project; and
5 scale the quantities associated with the set of ingredients using the scaling rules
6 information.

1 77. (Previously Presented) The system of claim 74 wherein the second
2 computer is configured to:

3 store scaling rules information specifying one or more constraints on scaling of a
4 project; and
5 scale the quantities associated with the set of ingredients using the scaling rules
6 information.

1 78. (Currently Amended) The system of claim 22 wherein the second
2 computer system is configured to determine a set of generic items for the first project using the
3 first information.

1 79. (Currently Amended) The system of claim 78 wherein:
2 the set of generic items comprises a first generic item; and
3 the second computer system is configured to:
4 determine a plurality of purchasable units corresponding to the first
5 generic item, the plurality of purchasable units corresponding to the first generic item provided
6 by a plurality of vendors;
7 determine a set subset of ~~one or more~~ vendors from the plurality of
8 vendors, wherein the plurality of vendors includes at least one vendor that is not included in the
9 ~~set subset~~ of ~~one or more~~ vendors; and
10 ~~include in the plurality of purchasable units for the first project, for the~~
11 ~~first generic item, only those one or more purchasable units provided by the set of vendors.~~
12 select, for the first generic item, only purchasable units provided by the
13 subset of vendors for inclusion in the plurality of purchasable units for the first project.

1 80. (Previously Presented) The system of claim 78 wherein:
2 the set of generic items comprises a first generic item; and
3 the second computer system is configured to:
4 determine a set of one or more vendors to which the first generic item is
5 assigned; and

6 determine a set of purchasable units corresponding to the first generic
7 item, the set of purchasable units consisting of one or more purchasable units provided by the set
8 of one or more vendors.

1 81. (Canceled)

1 82. (Currently Amended) The system of claim 22 wherein the second
2 computer system is configured to:

3 process the information identifying the first project to extract a set of ingredients
4 for the first project and amounts associated with the set of ingredients, the set of ingredients
5 comprising a first ingredient having an associated first amount; and

6 determine a set of purchasable units for the set of ingredients using the first
7 information, the set of purchasable units comprising a first purchasable unit corresponding to the
8 first ingredient, the first purchasable unit having an amount greater than the first amount.

1 83. (Currently Amended) The computer program product of claim 39 ~~further~~
2 ~~comprising wherein~~:

3 ~~code for storing~~ the first information comprises projects-to-items information
4 identifying a plurality of project identifiers and one or more item identifiers associated with each
5 project identifier in the plurality of project identifiers; and

6 ~~code for storing~~ the first information comprises items-to-purchasable units
7 information identifying a plurality of item identifiers and one or more purchasable units
8 associated with each item identifier in the plurality of item identifiers;

9 ~~wherein~~ the information identifying the first project comprises a first project
10 identifier corresponding to the first project; and

11 ~~wherein~~ the code for determining the plurality of purchasable units for the first
12 project comprises:

13 code for determining a set of item identifiers for the first project identifier
14 based upon the projects-to-items information; and

15 code for determining a set of purchasable units for each item identifier in
16 the set of item identifiers based upon the items-to-purchasable units information.

1 84. (Previously Presented) The computer program product of claim 39 further
2 comprising:

3 code for providing a web page identifying the first project, the web page
4 comprising a mechanism for selecting the project; and

5 wherein the code for receiving the information identifying the first project
6 comprises code for receiving information indicating selection of the first project.

1 85. (Currently Amended) The computer program product of claim 39 ~~further~~
2 ~~comprising wherein:~~

3 ~~code for storing the first information comprises~~ items-to-purchasable units
4 information identifying ~~a plurality of generic items and~~ one or more purchasable units associated
5 with each generic item in the plurality of generic items; and

6 ~~wherein~~ the code for determining the plurality of purchasable units for the first
7 project comprises:

8 code for ~~processing the information identifying the first project to extract~~
9 determining a set of ingredients for the first project from the information identifying the first
10 project;

11 code for determining a set of generic items corresponding to the set of
12 ingredients; and

13 code for determining a set of purchasable units for each generic item in the
14 set of generic items based upon the items-to-purchasable units information.

1 86. (Previously Presented) The computer program product of claim 39
2 wherein:

3 the information identifying the first project comprises scaling information for the
4 first project; and

5 the code for determining the plurality of purchasable units for the first project
6 comprises:

7 code for determining, from the information identifying the first project, a
8 set of ingredients for the first project and quantities associated with the set of ingredients; and

9 code for scaling the quantities associated with the set of ingredients using
10 the scaling information; and

11 code for determining the plurality of purchasable units for the first project
12 based upon the scaled quantities associated with the set of ingredients.

1 87. (Currently Amended) The computer program product of claim 86 wherein
2 the plurality of ~~purchase~~ purchasable units for the first project includes a set of ~~purchase~~
3 purchasable units determined for a first ingredient in the set of ingredients, the set of ~~purchase~~
4 purchasable units for the first ingredient determined based upon the scaled quantity associated
5 with the first ingredient, and available ~~purchase~~ purchasable units and their associated amounts.

1 88. (Previously Presented) The computer program product of claim 86
2 wherein the code for scaling the quantities associated with the set of ingredients comprises code
3 for performing the scaling using scaling rules information specifying one or more constraints on
4 scaling of ingredients for a project.

1 89. (Previously Presented) The computer program product of claim 86
2 wherein the code for scaling the quantities associated with the set of ingredients comprises code
3 for performing the scaling using scaling rules information specifying one or more constraints on
4 scaling of a project.

1 90. (Currently Amended) The computer program product of claim 39 wherein
2 the code for determining the plurality of purchasable units for the first project comprises code for
3 determining a set of generic items for the first project using the first information.

1 91. (Currently Amended) The computer program product of claim 90 wherein:
2 the set of generic items comprises a first generic item; and

3 the code for determining the plurality of purchasable units for the first project
4 comprises:

5 code for determining a plurality of purchasable units corresponding to the
6 first generic item, the plurality of purchasable units corresponding to the first generic item
7 provided by a plurality of vendors;

8 code for determining a set subset of ~~one or more~~ vendors from the
9 plurality of vendors, wherein the plurality of vendors includes at least one vendor that is not
10 included in the set subset of ~~one or more~~ vendors; and

11 ~~code for including in the plurality of purchasable units for the first project,~~
12 ~~for the first generic item, only those one or more purchasable units provided by the set of~~
13 ~~vendors.~~

14 code for selecting, for the first generic item, only purchasable units
15 provided by the subset of vendors for inclusion in the plurality of purchasable units for the first
16 project.

1 92. (Previously Presented) The computer program product of claim 90
2 wherein:

3 the set of generic items comprises a first generic item; and

4 the code for determining the plurality of purchasable units for the first project
5 comprises:

6 code for determining a set of one or more vendors to which the first
7 generic item is assigned; and

8 code for determining a set of purchasable units corresponding to the first
9 generic item, the set of purchasable units consisting of one or more purchasable units provided
10 by the set of one or more vendors.

1 93. (Canceled)

1 94. (Currently Amended) The computer program product of claim 39 wherein
2 the code for determining the plurality of purchasable units for the first project comprises:

3 code for processing the information identifying the first project to extract a set of
4 ingredients for the first project and amounts associated with the set of ingredients, the set of
5 ingredients comprising a first ingredient having an associated first amount; and

6 code for determining a set of purchasable units for the set of ingredients using the
7 first information, the set of purchasable units comprising a first purchasable unit corresponding
8 to the first ingredient, the first purchasable unit having an amount greater than the first amount.

1 95. (New) A method performed by a data processor for determining
2 purchasable units for a project, the method comprising:

3 receiving first information, the first information comprising:
4 information identifying a plurality of generic items and a plurality of
5 purchasable units corresponding to the plurality of generic items, wherein each purchasable unit
6 is characterized by a brand name, an amount, and a price;

7 information identifying one or more hierarchical relationships between
8 generic items in the plurality of generic items, the hierarchical relationships including a first
9 relationship between a first generic item and a second generic, the first relationship indicating
10 that the second generic item is a specialization of the first generic item; and

11 information identifying one or more substitute items for one or more
12 generic items in the plurality of generic items;

13 receiving information identifying a project;

14 determining a set of generic items for the project from the plurality of generic
15 items based upon the first information; and

16 determining a set of purchasable units corresponding to the set of generic items
17 from the plurality of purchasable units based upon the first information.

1 96. (New) The method of claim 95 wherein the one or more hierarchical
2 relationships comprise a second relationship between a third generic item and a fourth generic
3 item, the second relationship indicating that the fourth generic item is a component of the third
4 generic item.

1 97. (New) A method performed by a data processor for determining
2 purchasable units for a project, the method comprising:
3 receiving first information, the first information comprising:
4 information identifying a plurality of generic items and a plurality of
5 purchasable units corresponding to the plurality of generic items, wherein each purchasable unit
6 is characterized by a brand name, an amount, and a price;
7 information identifying one or more hierarchical relationships between
8 generic items in the plurality of generic items, the hierarchical relationships including a first
9 relationship between a first generic item and a second generic, the first relationship indicating
10 that the second generic item is a specialization of the first generic item; and
11 information identifying one or more substitute items for one or more
12 generic items in the plurality of generic items;
13 receiving, from a first system, information identifying a project;
14 determining, based upon the first information, a first generic item for the project
15 from the plurality of generic items;
16 determining, from a plurality of vendors, a subset of vendors that have exclusive
17 right to the first generic item;
18 determining one or more purchasable units provided by the subset of vendors for
19 the first generic item; and
20 communicating the one or more purchasable units to the first system.